

PRODUCTION OF SPUN-DYED POLYAMIDE FIBER EXCELLENT IN FOULING RESISTANCE

Patent number: JP2216275
Publication date: 1990-08-29
Inventor: TAJIRI KOJI; ADACHI TERUHIKO
Applicant: TEIJIN LTD
Classification:
- **international:** D06M15/41; D06M101/34; D06P5/04
- **european:**
Application number: JP19880261642 19881019
Priority number(s): JP19880261642 19881019

[Report a data error here](#)

Abstract of JP2216275

PURPOSE:To obtain the subject fiber, excellent in fouling resistance to acidic fouling substances and improved in weather resistance by treating spun-dyed polyamide fiber having the amino terminal group concentration controlled to a specific value or below with a resist printing agent consisting of a specified amount or less of a phenolic derivative. CONSTITUTION:Spun-dyed polyamide fiber, prepared by using a pigment, etc., and controlling the amino terminal group concentration to <=10g equiv./10⁶g, preferably <=5g equiv./10⁶g with, e.g. 3,5-dicarboxybenzenesulfonic acid, is treated with a resist printing agent consisting of a phenolic derivative (e.g. sulfonated phenol formaldehyde condensate) in an amount of <=2wt.%, preferably 0.1-1.5wt.% based on the weight of the above-mentioned fiber to inactivate the amino terminal groups and improve resistance to weather and washing. Thereby, spun-dyed polyamide fiber, capable of preventing fouling with acidic foulings (e.g. an acidic fouling substance, such as food) in living and excellent in fouling resistance is obtained.

Data supplied from the **esp@cenet** database - Worldwide